

The ascending sort feature is similar to the sort function of python `sort(a,key=lambda a:key(a))`

Here we can sort the array according to the key feature.

If nothing is given in key it sorts normally

Note: When the key value is same other elements are sorted according to the inplace sorting

## Examples

Sort Array in Ascending and Descending order

Array :

key :

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According to the primes

2 3 5 and 7 are primes so in ascending order they are at last and in descending order they are at first

Sort Array in Ascending and Descending order

Array :

key :

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Sorting according to the sum of the array.

Sum of array [1,10] is maximum i.e. 11 so it is at last and sum of array [2,3] is minimum i.e.  $2+3=5$  so it is at first in ascending order.

## Sort Array in Ascending and Descending order

Array :

1 2 3 4 5 6 7 8 9 10 11 12 13

key :

\_\_builtin\_popcountll

Sort Array

Clear Array

Back

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1 2 4 8 3 5 6 9 10 12 7 11 13

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7 11 13 3 5 6 9 10 12 1 2 4 8

Sorting according to the number of ones in the binary representation of the number.

1 2 4 8 binary are "1" "10" "100" "1000" so the number of ones are minimum so they are at first

## Sort Array in Ascending and Descending order

Array :

[1,10] [2,9] [4,8]

key :

function a(arr){return arr[1]};a

Sort Array

Clear Array

Back

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4,8 2,9 1,10

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1,10 2,9 4,8

Sorting according to the second value of the array.

You can also customize the function as seen here. Simply make a function (javascript) and write its name separated by a semicolon.

[Explore the docs »](#)

## Sort Array in Ascending and Descending order

Array :

key :

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Sorting according to the  $a\%2$  custom function.

[Explore the docs »](#)

## Sort Array in Ascending and Descending order

Array :  

key :

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Sorting according to the length.

In the key you can provide the following

1. bit\_length
2. len
3. isPrime
4. \_\_builtin\_popcountll
5. \_\_builtin\_parityll
6. \_\_builtin\_clzll
7. \_\_builtin\_ctzll
8. is\_sorted
9. sum
10. mex

And many more...

Other key function can be made using custom javascript functions.